

AMENDMENT

Applicants request this Amendment be entered in the above-identified application prior to examination on the merits.

Amendments to the Specification:

Please replace the paragraph beginning on page 3 with the following amended paragraph:

FIG. 1A is a top view and FIG. 1B is a cross-sectional view through line 1B-1B of FIG. 1A of a first element of a space transformer according to the present invention;

FIG. 2A is a top view and FIG. 2B is a cross-sectional view through line 2B-2B of FIG. 2A of a second element of the space transformer according to the present invention;

FIG. 3A is a top view and FIG. 3B is a cross-sectional view through line 3B-3B of FIG. 3A of a third element of the space transformer according to the present invention;

FIG. 4A is a top view and FIG. 4B is a cross-sectional view through line 4B-4B of FIG. 4A of a fourth element of the space transformer according to the present invention;

FIG. 5A is a top view and FIG. 5B is a cross-sectional view through line 5B-5B of FIG. 5A of a first element of the space transformer according to the present invention;

FIG. 6A is a top view and FIG. 6B is a cross-sectional view through line 6B-6B of FIG. 6A of a first element of the space transformer according to the present invention

FIG. 7A is cross-sectional view of an assembled space transformer according to the present invention;

FIG. 7B is an enlarged cross-sectional view of a portion of the assembled space transformer of FIG. 7A;

FIG. 8 is a side view of a typical ground or power pin according to the present invention;

FIG. 9A is cross-sectional view and FIG. 9B is a side view of a probe assembly according to the present invention,

FIG. 10 is a partial cross-sectional view of a thin film interface (TFI) probe;

FIG. 11 is a partial side view of an integrated circuit chip wafer under test;

FIG. 12A is cross-sectional view of an assembled space transformer according to a second embodiment of the present invention;

FIG. 12B is cross-sectional view of an assembled space transformer according to a third embodiment of the present invention; and

FIG. 13 is a cross-sectional view of an assembled space transformer according to a fourth fifth embodiment of the present invention.

Please replace the paragraph beginning on page 14 with the following amended paragraph:

FIG. 13 is a cross-sectional view of an assembled space transformer according to a fourth fifth embodiment of the present invention. In FIG. 13, an additional conductor 305 (which may be electrically connected to power or ground) is positioned between power conductor 155 and inner die 180. Additional conductor 305 electrically contacts capacitor board 140 via extensions 310 passing through through-holes 315 in power conductor 155. A space 320 between power conductor ~~[[170]]~~ 155 and additional conductor 305 is filled with dielectric material 220. More additional conductors may be added as required in a similar manner as additional conductor 305.

Should the Examiner require or request anything further from Applicant's prior to examination, the Examiner is requested to contact Applicants' undersigned representative at the Agent Direct Dial telephone number below. Otherwise, Applicants request early and favorable examination on the merits

Respectfully submitted,
FOR: Gaschke et al.

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